

## CLAIMS

1. A method for providing a multiple layer content, comprising:
- 2           dividing an information content into at a plurality of layers, a first
- 4           layer enabling reconstruction of the information content with a first
- quality, and a second layer enabling reconstruction of the information
- 6           content with higher quality when combined with the first layer;
- transmitting from an origination terminal the first layer with a first
- 8           quality of service supported by a network; and
- transmitting from the origination terminal the second layer with a
- second quality of service supported by the network.
2. The method as claimed in claim 1, wherein said transmitting from an
- 2           origination terminal the first layer with a first quality of service supported by a
- network comprises:
- 4           transmitting from an origination terminal the first layer with a
- quality of service enabling the first layer delivery to a first set of
- 6           destination terminals.
3. The method as claimed in claim 1, wherein said transmitting from the
- 2           origination terminal the second layer with a second quality of service
- supported by the network comprises:
- 4           transmitting from the origination terminal the second layer with a
- quality of service enabling the second layer delivery to a subset of the
- 6           first set of destination terminals.
4. A method for providing a multiple layer content, comprising:
- 2           receiving at a destination terminal a first layer delivered using a
- first quality of service supported by a network; and

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4 processing at the destination terminal the first layer and at least  
one additional layer if the at least one additional layer is delivered using a  
6 second quality of service.

5. The method as claimed in claim 4, wherein said processing at the first  
2 destination terminal the first layer and at least one additional layer if the at  
least one additional layer is delivered using a second quality of service  
4 comprises:

combining the first layer information content with the at least one  
6 additional layer information content.

6. A method for providing a multiple layer content, comprising:  
2 dividing an information content into at a plurality of layers, a first  
layer enabling reconstruction of the information content with a first  
4 quality, and a second layer enabling reconstruction of the information  
content with higher quality when combined with the first layer;  
6 transmitting from an origination terminal the first layer with a first  
quality of service supported by a network;  
8 transmitting from the origination terminal the second layer with a  
second quality of service supported by the network.  
10 receiving at a destination terminal the first layer; and  
processing at the destination terminal the first layer and the  
12 second layer if the second layer is received.

7. A method for providing a multiple layer content, comprising:  
2 dividing an information content into at least two layers, the first  
layer enabling reconstruction of the information content with a first  
4 quality, and the at least second layer enabling reconstruction of the  
information content with higher quality when combined with the first layer;  
6 providing each of the at least two separate layers for transmission;  
and  
8 transmitting at least the first layer over a wireless link.

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8. The method as claimed in claim 7, wherein said providing each of the at  
2 least two separate layers for transmission comprises:  
assigning each unit of a layer a sequence number;  
4 delivering each of the units through a media not guaranteeing in-  
sequence delivery; and  
6 re-ordering the delivered units in accordance with the sequence  
numbers.
9. The method as claimed in claim 7, wherein said providing each of the at  
2 least two separate layers for transmission comprises:  
providing each of the at least two separate layers using an RTP.
10. The method as claimed in claim 7, wherein said transmitting at least the  
2 first layer over a wireless link comprises:  
transmitting the first layer with a first quality of service supported  
4 by the wireless link.
11. The method as claimed in claim 10, wherein said transmitting the first  
2 layer with a first quality of service supported by the wireless link comprises:  
transmitting the first layer with a quality of service enabling the first  
4 layer delivery to a first set of destination terminals.
12. The method as claimed in claim 10, further comprising:  
2 transmitting the at least second layer with a second quality of  
service supported by the wireless link.
13. The method as claimed in claim 12, wherein said transmitting the at least  
2 second layer with a second quality of service supported by the wireless link  
comprises:  
4 transmitting the at least second layer with a quality of service  
enabling the at least second layer delivery to a subset of the first set of  
6 destination terminals.

14. The method as claimed in claim 7, wherein said transmitting at least the  
2 first layer over a wireless link comprises:  
transmitting at least the first layer over a wireless link in  
4 accordance with load of a transmitting terminal.
15. The method as claimed in claim 7, wherein said transmitting at least the  
2 first layer over a wireless link comprises:  
transmitting at least the first layer over one broadcast channel.
16. The method as claimed in claim 7, wherein said transmitting at least the  
2 first layer over a wireless link comprises:  
transmitting at least one layer over a broadcast channel; and  
4 transmitting at least one additional layer over at least one  
additional broadcast channel.
17. An apparatus for providing a multiple layer content, comprising:  
2 means for dividing an information content into at a plurality of  
layers including a first layer enabling reconstruction of the information  
4 content with a first quality, and a second layer enabling reconstruction of  
the information content with higher quality when combined with the first  
6 layer;  
means for transmitting from an origination terminal the first layer  
8 with a first quality of service supported by a network, and for transmitting  
from the origination terminal the second layer with a second quality of  
10 service supported by the network.
18. An apparatus for providing a multiple layer content, comprising:  
2 a memory; and  
a device communicatively coupled to the memory and capable of  
4 performing digital signal processing including:  
dividing an information content into at a plurality of layers  
6 including a first layer enabling reconstruction of the information  
content with a first quality, and a second layer enabling

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8 reconstruction of the information content with higher quality when  
combined with the first layer; and  
10 coordinating the transmission from an origination terminal  
the first layer with a first quality of service supported by a network,  
12 and coordinating transmission from the origination terminal the  
second layer with a second quality of service supported by the  
14 network.

19. An apparatus for providing a multiple layer content, comprising:

2 a memory; and  
a device communicatively coupled to the memory and capable of  
4 performing digital signal processing including:  
dividing an information content into at a plurality of layers, a  
6 first layer enabling reconstruction of the information content with a  
first quality, and a second layer enabling reconstruction of the  
8 information content with higher quality when combined with the  
first layer; and  
10 coordinating the transmission from an origination terminal  
the first layer with a first quality of service supported by a network,  
12 and coordinating the transmission from the origination terminal the  
second layer with a second quality of service supported by the  
14 network.

20. The apparatus as claimed in claim 19 wherein said transmitting from an  
2 origination terminal the first layer with a first quality of service supported  
by a network further comprises transmitting from an origination terminal  
4 the first layer with a quality of service enabling the first layer delivery to a  
first set of destination terminals.

21. The apparatus as claimed in claim 19, wherein said transmitting from the  
2 origination terminal the second layer with a second quality of service  
supported by the network further comprises transmitting from the  
4 origination terminal the second layer with a quality of service enabling the

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second layer delivery to a subset of the first set of destination terminals.

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22. An apparatus for providing a multiple layer content, comprising:

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a memory; and

a first device communicatively coupled to the memory and capable

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of performing digital signal processing including:

dividing an information content into at a plurality of layers, a

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first layer enabling reconstruction of the information content with a

first quality, and a second layer enabling reconstruction of the

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information content with higher quality when combined with the

first layer;

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coordinating transmission from an origination terminal the

first layer with a first quality of service supported by a network; and

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coordinating transmission from the origination terminal the second

layer with a second quality of service supported by the network;

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a second memory; and

a second device communicatively coupled to the second

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memory and capable of performing digital signal processing

including:

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receiving the first layer at a destination terminal; and

processing at the destination terminal the first layer

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and the second layer if the second layer is received.

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